

App. No. 10/605,186

#### REMARKS – General

Below are some comments that address the examiner's concerns and issues.

Applicant asks the Examiner respectfully consider the following points.

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"having said system also search for solutions using a modified sets of said constrains" Many search system (if not all) provide a method for using a modified set of constraints. Krupin does not provide an automated (1 click) method of using a modified set of constraints.

"having said system also search for solutions using modified sets of said constraints such as subsets of said constraints such as subsets of said constraints and additional constraints (column 6 lines 39 – 50), Krupin)" I am not sure I understand the examiner. The paragraph referred to in Krupin is clearly referencing the creation of an initial search query utilizing Krupin's modified search constraints using controlled vocabularies. This paragraph is not referring to subsequent search that has been derived from the user's initial (modified) query.

"keeping intermediate results; presenting for review analysis or results of said solutions for modified sets of constraints (column 9 lines 58 – 63, Krupin)" This paragraph is the conclusion of long section in Krupin discussing the saving and modification of queries. There is no discussion of the automatic analysis and presentation to users of modified queries. There is no discussion of users being able to execute with 1 click from a range of derivative queries. Most commercial systems include mechanisms such as Krupin's for manual saving and modifying queries.

Examiner refers to column 11 lines 1-9, Krupin. This discussion of menus is concerned with the user selection of "modified constraints" from controlled vocabularies. There is no discussion of modified constraints that have automatically been generated from derived searches.

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Examiner refers to column 7 lines 3-9, Krupin. This is a discussion of best results found by Krupin for his modified searches using controlled vocabularies. There is no discussion of modified constraints that have automatically been generated from derived searches.

Examiner refers to column 7 lines 24-39, Krupin. This is a discussion of other search string word groups. There is no discussion of modified constraints that have automatically been generated from derived searches.

Examiner refers to column 11 lines 10 – 21, Krupin. Krupin does refer to an analysis of the expected search results, "The user receives color coded feedback on the nature of the word choices selected..." which is used to guide the user in creating their search. Krupin goes on to state, "If the feedback indicates the number of words, type of words, or number of word groups is too low or too high, the user is prompted to modify his search query." Krupin does not discuss how the user is supposed to modify their query. He does not discuss a 1 click method for quickly executing a derived query. It can only be inferred from the text that Krupin is implying a manual modification of the query.

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Examiner refers to column 9 lines 1-5 and 58-63, Krupin. Krupin does refer to improved search queries. There is no discussion of modified constraints that have automatically been generated from derived searches.

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Examiner refers to column 11 lines 10 – 21 and 34 – 45, Krupin. Krupin discusses analyzing the query. It ignores analysis and presentation of automatically derived additional sets of constraints.

Examiner refers to column 2 lines 34 – 40, Krupin. This discussed guiding users in the initial selection of constraints. There is no discussion of an integrated solution for executing derived sets of constraints and automatically presenting users with analysis and an easy method for executing such constraints.

Examiner refers to Figures 5, 6, 7 and column 11 lines 5 – 20, Krupin. No modified sets of constraints are displayed in the figures. There is no display showing a method to execute a derived query with 1 click. The text concludes "the user is prompted to modify his search query." There is no discussion of how user is to modify their query. Krupin does not show an analysis of derived queries, nor how to easily execute such queries.

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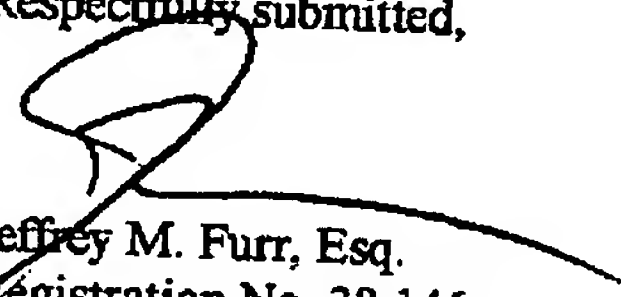
Examiner refers to Figure 5, Krupin. Figure 5 shows the analysis of a query. It does not present the analysis for subsets or derived sets of queries. Krupin does not discuss such analysis because his invention is not concerned with it.

Also applicants have rewritten all claims to define the invention more particularly and distinctly so as to overcome the technical rejections and define the invention patentably over the prior art.

#### Conclusion

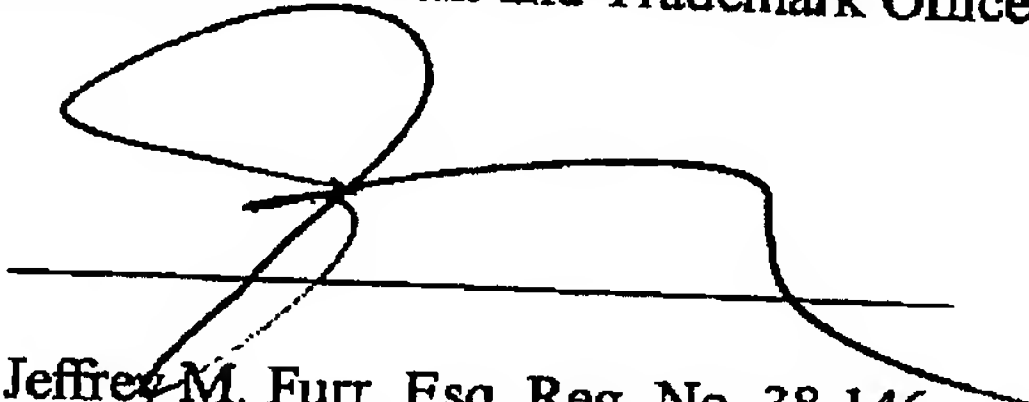
For all of the above reasons, applicant submits that the specification and claims are now in proper form, and that the claims all define patentably over prior art. Therefore the applicant submits that this application is now in condition for allowance, which action is respectfully solicited.

Respectfully submitted,

  
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I hereby certify I have transmitted this paper by fax to the Patent and Trademark Office at 571-273-8300 on February 20, 2007.

February 20, 2007.

  
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